Future Joint Concepts

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Purpose & Agenda

Purpose

- To describe the role of future joint concepts in transforming the joint force.

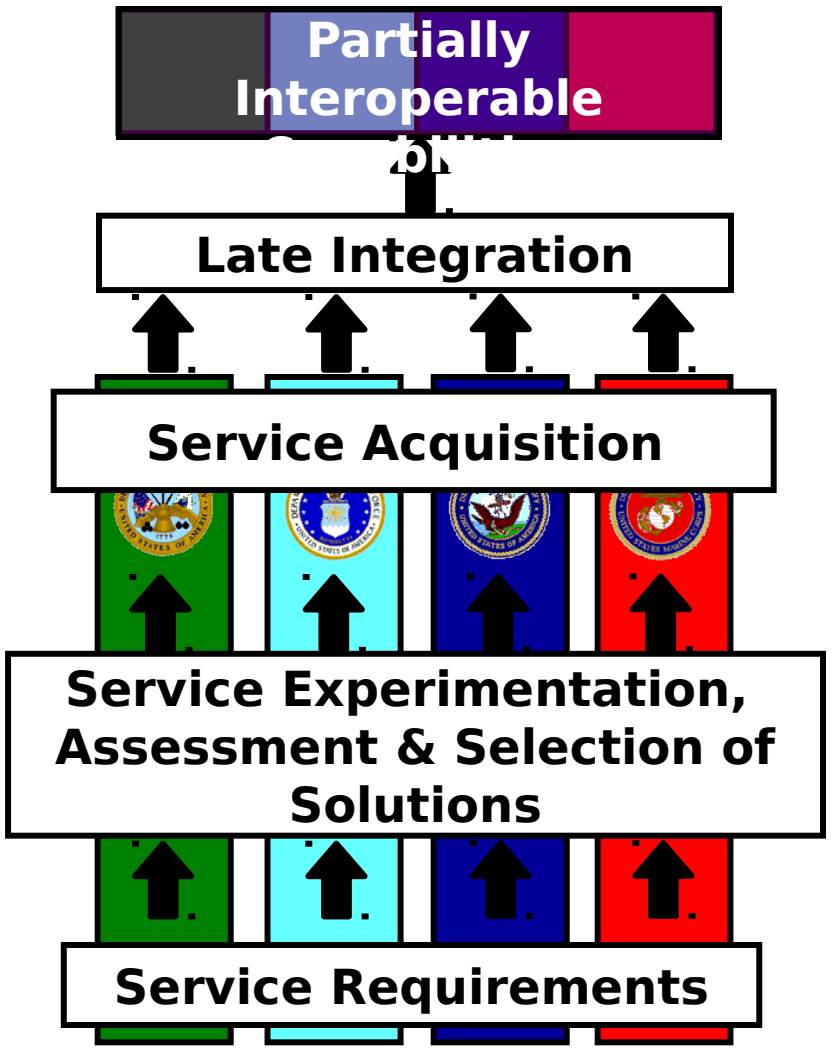
Agenda

- Capabilities Based Approach
- Family of Future Joint Concepts
- Joint Experimentation
- Linkage to Joint Capabilities Integration and Development System (JCIDS)
- Way Ahead

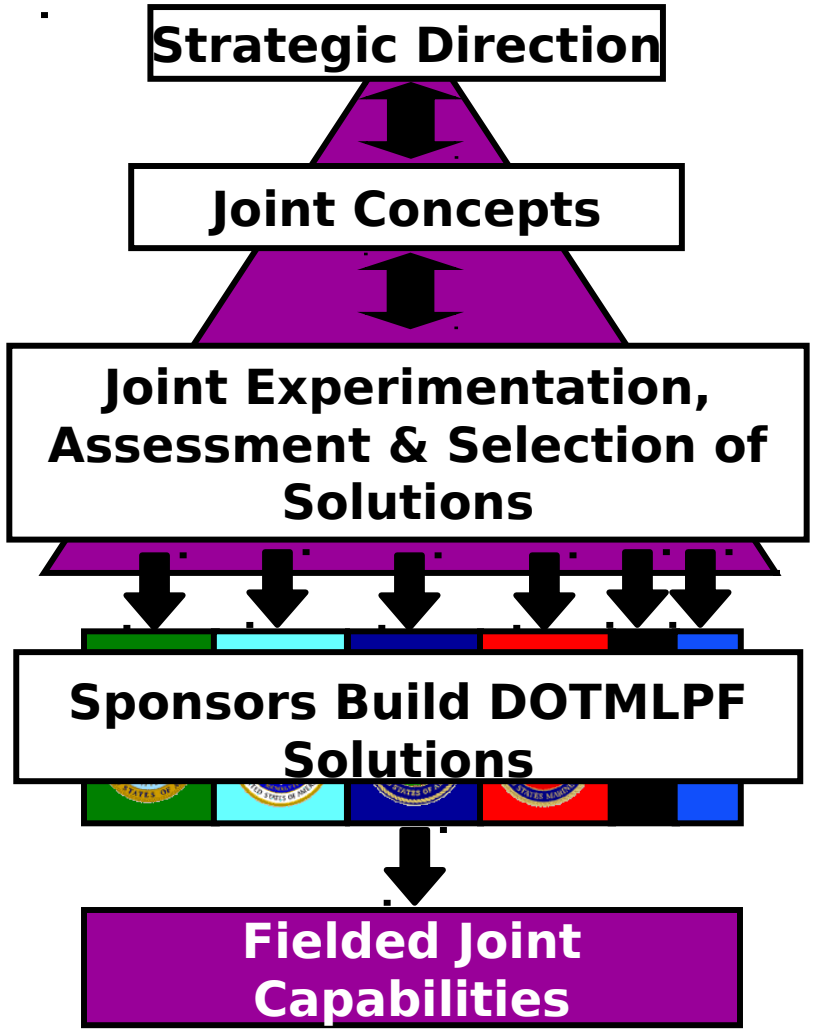
Capabilities Based Approach

Capabilities Based Approach

Bottom-Up
Threat Based



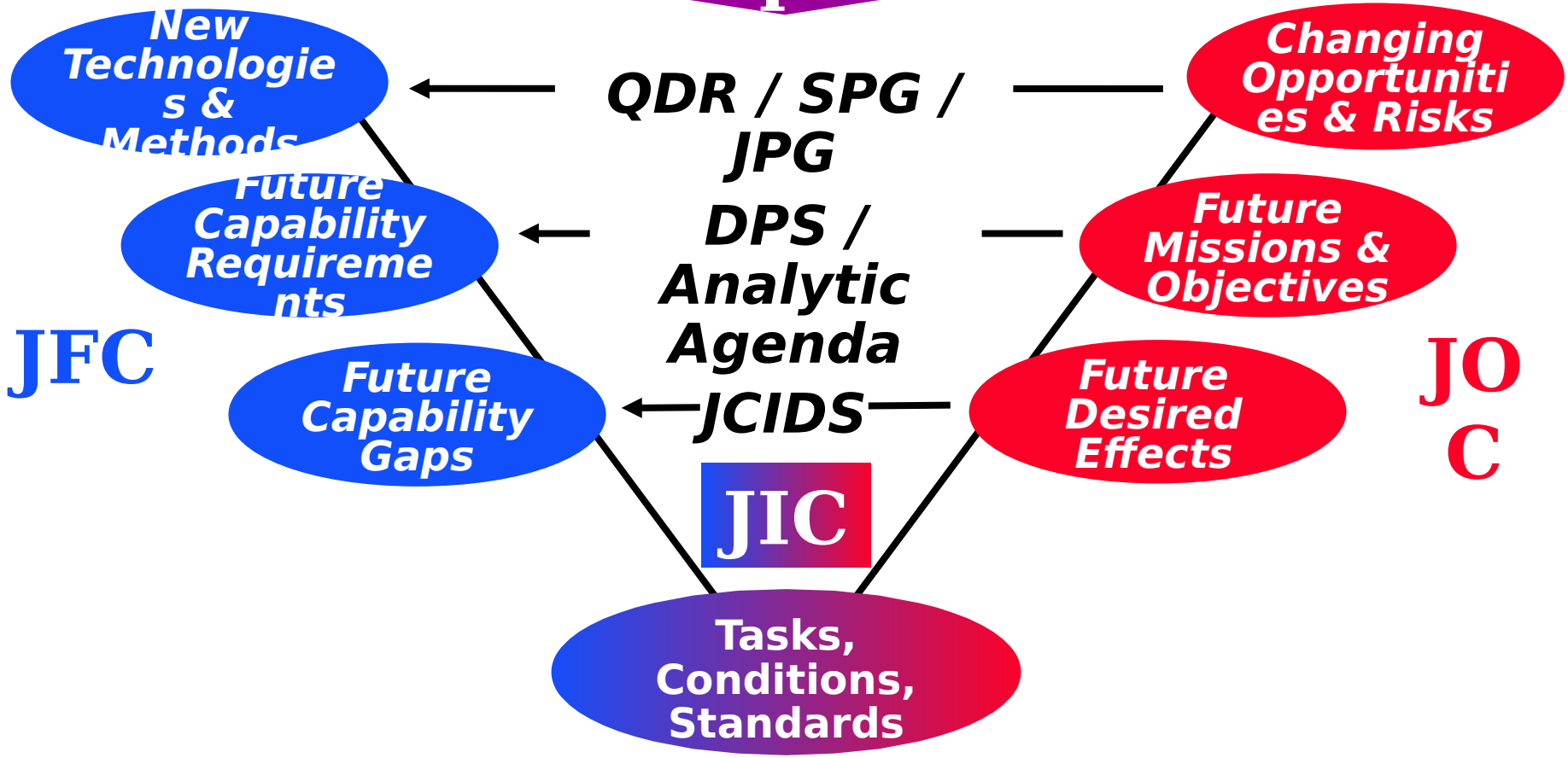
Top-Down
Capabilities Based



Solving for Future Capabilities

Strategy

IOpsC

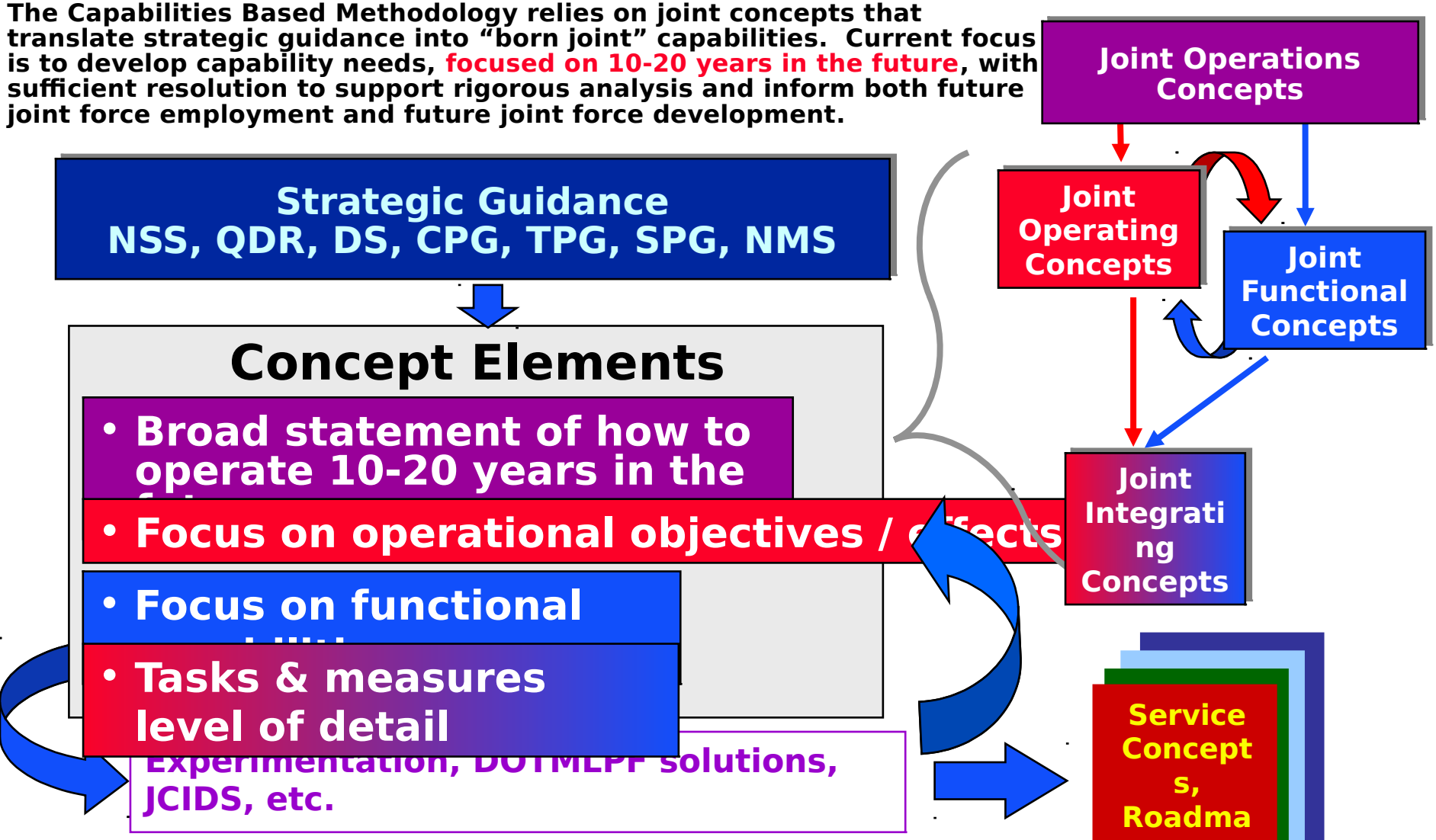


Means & Ways ← **Assessment** → **Ends**

Family of Future Joint Concepts

Family of Joint Concepts

The Capabilities Based Methodology relies on joint concepts that translate strategic guidance into "born joint" capabilities. Current focus is to develop capability needs, focused on 10-20 years in the future, with sufficient resolution to support rigorous analysis and inform both future joint force employment and future joint force development.


Joint Operations Concepts
Joint Operating Concepts
Joint Functional Concepts
Joint Integrating Concepts
Strategic Guidance
NSS, QDR, DS, CPG, TPG, SPG, NMS
Concept Elements
• Broad statement of how to operate 10-20 years in the
• Focus on operational objectives / effects
• Focus on functional
• Tasks & measures level of detail
Experimentation, DOTMLPF solutions, JCIDS, etc.
Service Concepts, Roadmaps, POMS

Current Joint Concepts

JOpsC

JOCs

JFCs

Operational Context

Suppo rt

1. Homeland Security
2. Strategic Deterrence
3. Major Combat Operations
4. Stability Operations

1. Battlespace Awareness
2. Command and Control
3. Force Application
4. Focused Logistics
5. Protection
6. Net-Centric Ops
7. Force Management
8. Training

JICs

1. Undersea Superiority
2. Forcible Entry Ops
3. Global Strike
4. Integrated Air & Missile Defense
5. Sea-Basing
6. Joint C2
7. Joint Logistics

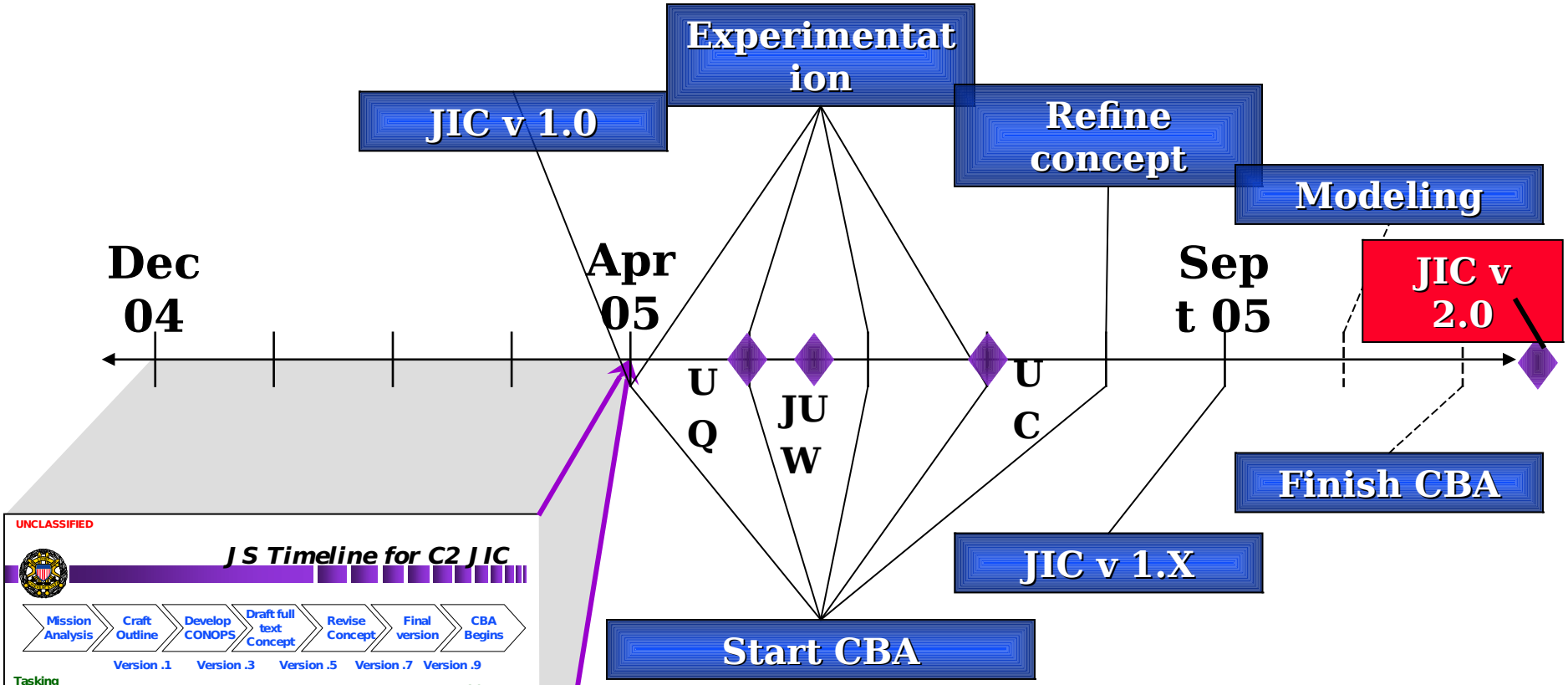
Future Joint Concepts Application

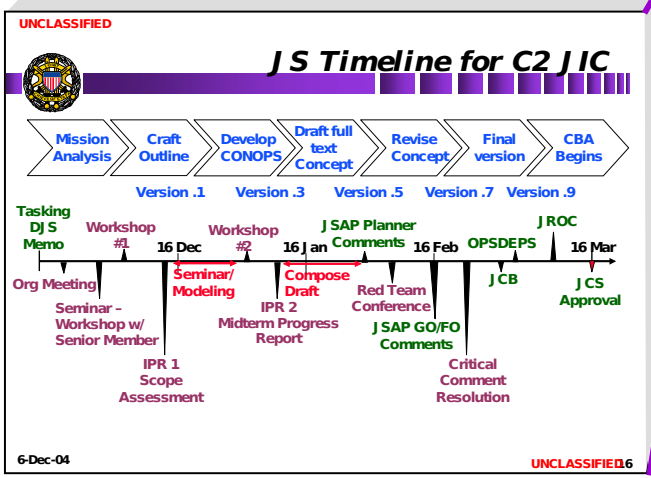
- **Approved joint concepts:**
  - **Guide future force development (JCIDS, Defense Acquisition System, PPBE, Service & Joint Transformation Roadmaps)**
  - **Influence Defense Planning Scenarios (DPS) CONOPS**
  - **Provide hypotheses and context for experimentation**
  - **Guide Science & Technology exploration**
  - **Provide context for Test & Evaluation**

Joint Experimentation

Moving Beyond Version 1.0

C2 JIC & Capabilities Based Assessment Timeline

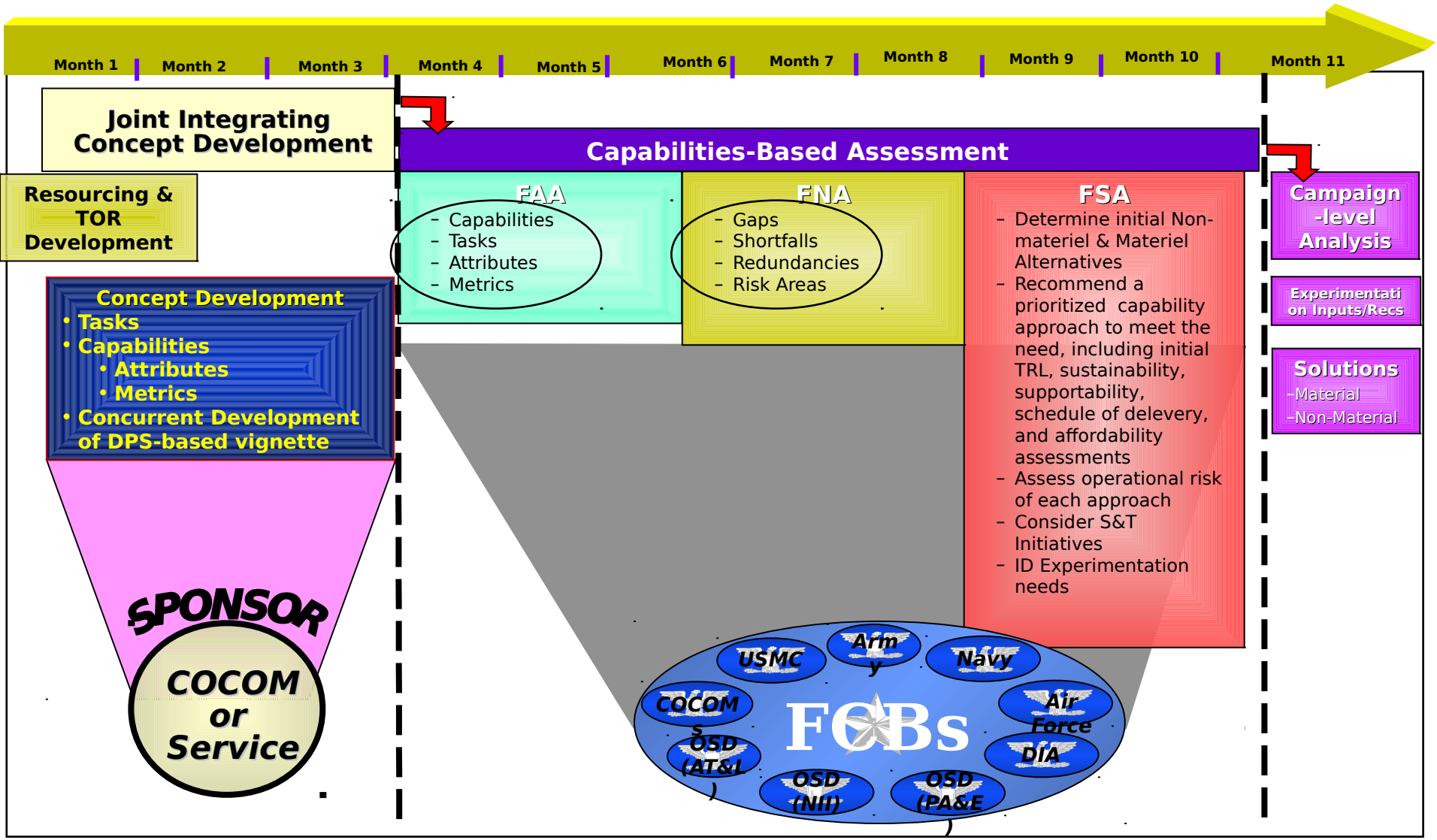




- **UQ** - Unified Quest
- **JUW** – Joint Urban Warrior
- **UC** – Unified Course

Linkage to JCIDS

Joint Integrating Concepts Process



JIC Linkage to JCIDS

- Authors deliver JICs with a detailed scenario, CONOPS, and list of tasks (with measures)
- Functional Capabilities Boards (FCB) perform Capabilities Based Assessment (CBA) on each JIC (one as lead, others supporting)
- FCBs perform data call to services to match JIC tasks to current, programmed, and planned systems
- FCB assesses JIC against baseline scenario provided by author, and then may run against additional scenarios (Defense Planning Scenarios) to refine the conditions and standards for each task and aggregate capability
- CBA output is a weighted list of capability needs, gaps, and excesses

Way Ahead

JFCA

Functional

1. Battlespace Awareness
2. Command & Control (C2)
3. Net-Centric
4. Force Application
5. Logistics
6. Force Protection
7. Force Management
8. Training

Operational

9. Strategic Deterrence
10. Homeland Defense
11. Civil Support
12. Access & Interdiction
13. Air/Space Control Operations
14. Maritime/Littoral Control Operations
15. Land Control Operations
16. Special Operations
17. Information Operations
18. Noncombatant Protection
19. Assistance & Stabilization
20. Reconstruction & Transition
21. Shaping & Security Cooperation

SPG OA 05 Study
Joint Force Capabilities Assessment (JFCA)

Common Lexicon

- **Capability:** a combination of means (available resources) and ways (methods of employment) sufficient to perform an assigned task.
- **Task:** an action or activity derived from mission analysis, doctrine, standard procedures, or concepts that may be assigned to an individual or organization._
- **Standard:** a level of proficiency and sufficiency in performing a task.
- **Condition:** a variable of the battlespace (friendlies, adversaries, neutrals, environment) that affects task performance.
- **CONOPS:** a commander's overall concept and broad flow of tasks for an operation that shows how available capabilities will be applied to produce the effects necessary to achieve the mission endstate.
- **Effect:** a change to a condition, behavior, or degree of freedom.
- **Endstate:** the set of conditions, behaviors, and freedoms that defines achievement of the commander's mission.
- **Mission:** the purpose (objectives and endstate) and tasks assigned to a commander.
- **Measure:** quantitative or qualitative basis for describing the proficiency or sufficiency of task performance.

JOpsC 2.0

- **Unified Action**
  - **Rapidly and with minimal warning**
  - **With interdependent U.S. Armed Forces**
  - **Striking directly at operational and strategic objectives**
  - **Via decentralized/dispersed and networked command functions**
  - **Continuously, simultaneously, and sequentially from multiple directions**
  - **In multiple domains**
  - **Using effects based approach**

JOpsC 2.0

- **Knowledge Empowered**
  - Enhanced human understanding and technical data collection, and a system of systems understanding of the enemy, his culture and the environment
  - Reliance on a heuristic organization
- **Networked**
  - Connected and synchronized in time and purpose at all levels — which facilitates interdependent operations across the global battlespace
- **Integrated**
  - The future joint force will have integrated planning and execution at all levels, operational through tactical, which facilitate seamless operations without extra effort
- **Expeditionary**
  - Postured for rapid deployment, employment and sustainment – regardless of anti-access, or area-denial environments
- **Adaptable**
  - Forces that are versatile, scalable, agile, and responsive, and whose leaders are intellectually empowered by background of experience and education
- **Compelling**
  - An enhanced ability to precisely engage holistically in all domains, conditions and environments with an array of lethal and non-lethal capabilities

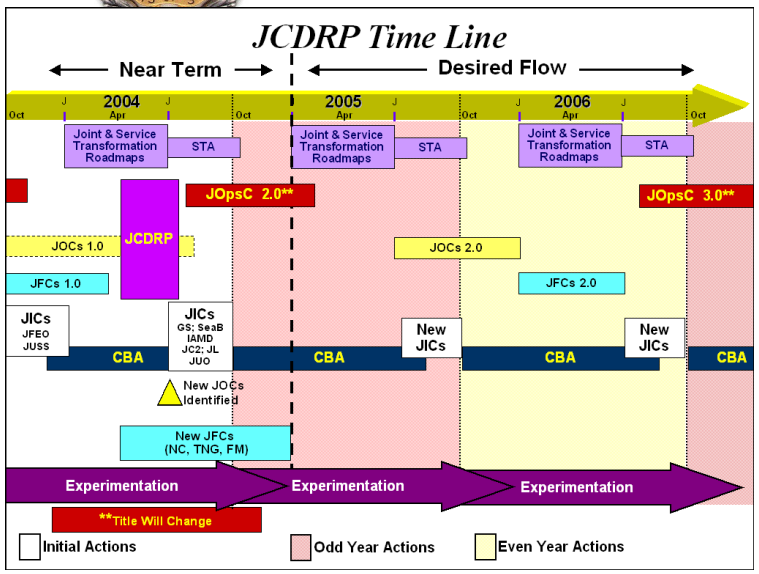
Joint Concept Development and Revision Plan

- **Updated guidance on Family of Joint Future Concepts**
  - **Definitions & Purpose**
  - **Topic Selection, Assignment and Approval**
  - **Development & Revision Responsibilities**
  - **Timelines**
- **Currently under revision as CJCSI 3010.02B**
- ***Joint Staff J7 is single OPR for all Joint Concepts (JOpsC, JOCs, JFCs, JICs)***
- ***JCDRP available at www.dtic.mil/jointvision***

Process Highlights

- **Establish forums for competition of ideas**
- **Any Service, COCOM, or JS Directorate may lead concept development and all may participate**
- **Required concept elements** (template / lexicon)
- **Progress reviews presented to JCS or JROC**
- **Concept revision battle rhythm to facilitate experimentation and synchronize efforts**
- **Identifies responsibilities for concept development**
- **Establish approval process**

Process-Guidance-Recommendation Linkage



	Traditional	Irregular	Catastrophic	Disruptive
Strategic Objectives (Policy Outcomes)	Defeat adversaries at the time, place, and manner of our choosing	Assure security conditions for others (indigenous, international, or other USG elements) to stabilize environment in theater of ops (rule of law, nation-state accountability, economic viability)	Deter & Defeat attacks on the Homeland from the commons Assure support to lead Federal agency in broader Homeland security operations	Dissuade potential enemies from seeking asymmetric military advantage
Planning Targets (Stretch Goals)	Seize Initiative – 10 Meet 1st SD Objectives – 30 Engage 2nd SD – 30 IAW Contingency Planning Guidance	Sustain distributed expeditionary ops – 30K / 2 years, 200K / 5 years Constitute, train, & equip local force -100K in 180 days	Deny attacks from commons Respond to 3 coordinated domestic CM events involving 100K each Prevent proliferation of WMD through the commons within 12 hours of tasking	Stay 1 generation ahead of potential competitors Provide decade of forewarning of new disruptive technology
Joint Concepts ▪ JOCs - JICs	▪ Major Combat Operations - Forcible Entry - Global Strike - Undersea Superiority - Integrated Air & Missile Defense	▪ Stability Operations ▪ Combating Terrorism? ▪ Irregular Operations?	▪ Strategic Deterrence ▪ Homeland Security	▪ Dissuasion? ▪ Cost-Imposing Approaches?
		Potential JOCs		Potential JOCs

Illustrative Only

Winnowing Process

- Reviewed Departmental guidance (SPG)
- Analyzed current concept coverage against potential areas of significant interest
- Solicited recommendations for candidate JOCs from OSD, JS, Services, & COCOMs,
- Briefed OPSDEPS
- Socialization with OSD and other

Recommendations

- Irregular Operations (SOCOM) (C, I)
- Shaping Operations (EUCOM or JFCOM) (T,D)
- Information Operations* (STRATCOM) (I, D)
- Re-scope MCO & SO JOCs (T,D)

Questions?

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Joint Operations Concepts (JOpsC)

Evolved Definition:

The JOpsC is an overarching description of how the joint force will operate 10-20 years in the future in all domains across the range of military operations within a multi-lateral environment in collaboration with interagency and multinational partners. It guides the development of future joint concepts and joint force capabilities. The JOpsC establishes the unifying framework for the family of joint concepts, the attributes and broad strategic and operational tasks for the future joint force, a campaign framework for future operations, the long-range focus for joint experimentation, and the conceptual foundation for unified action towards implementing the military aspects of national strategy.

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JCDRP

Joint Operating Concept (JOC)

Evolved Definition:

A JOC is an operational-level description of how a Joint Force Commander 10-20 years in the future will accomplish a strategic objective through the conduct of operations within a military campaign. This campaign links endstate, objectives, and desired effects necessary for success. The concept identifies broad principles and essential capabilities and provides operational context for JFC and JIC development and experimentation.

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JCDRP

Joint Functional Concept (JFC)

Evolved Definition:

A JFC is a description of how the joint force will perform a particular military function across the full range of military operations 10-20 years in the future. JFCs support the JOpsC and JOCs and draw operational context from them. JFCs identify required capabilities and attributes, inform JOCs, and provide functional context for JIC development and joint experimentation.

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JCDRP

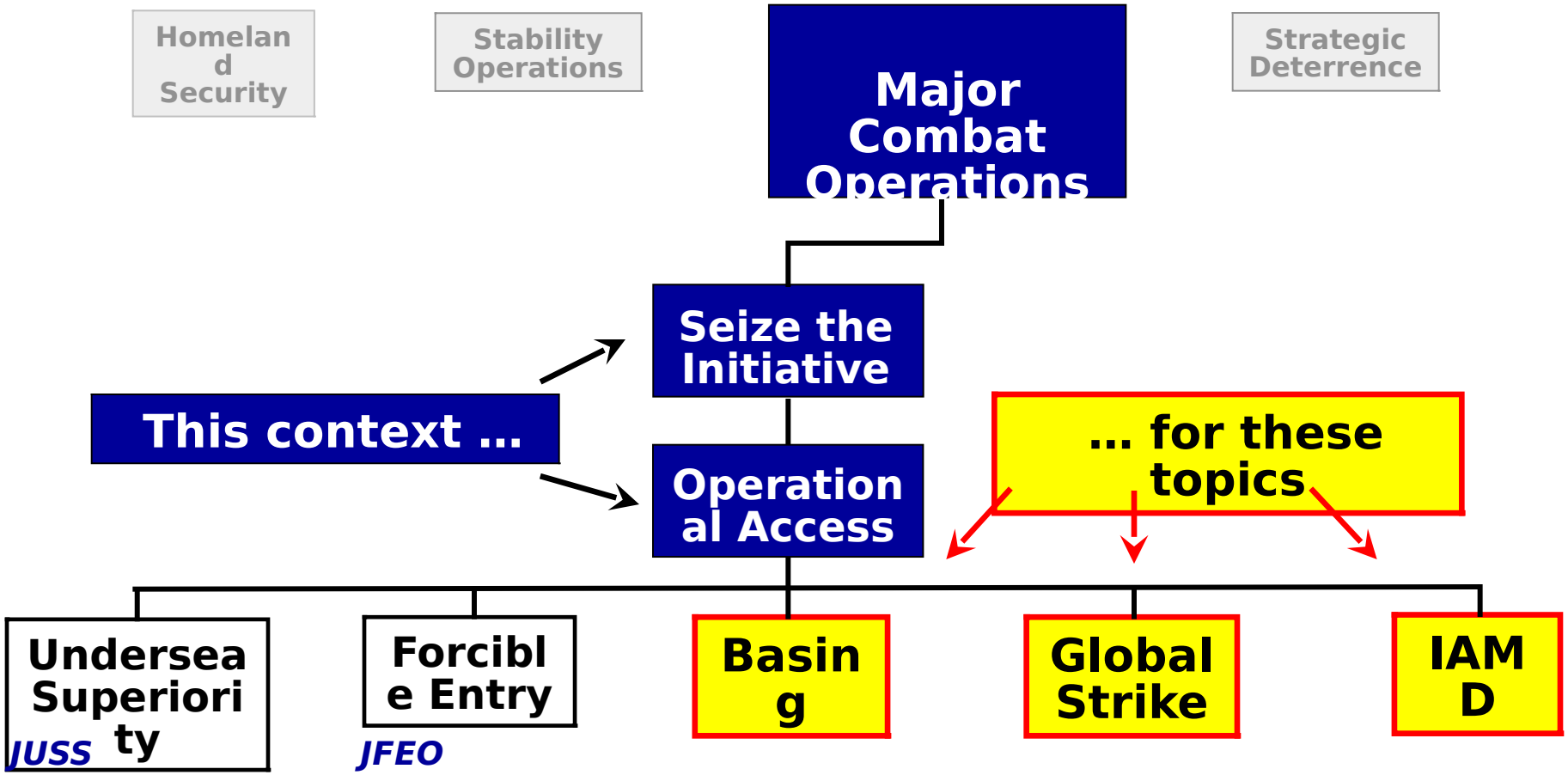
Joint Integrating Concept (JIC)

Evolved Definition:

A JIC is a description of how a Joint Force Commander 10-20 years in the future will integrate capabilities to generate effects and achieve an objective. A JIC includes an illustrative CONOPS for a specific scenario and a set of distinguishing principles applicable to a range of scenarios. JICs have the narrowest focus of all concepts and distill JOC and JFC-derived capabilities into the fundamental tasks, conditions and standards required to conduct Capabilities-Based Assessment (CBA).

JCDRP

Bounding the Problem
(JCS Tank Guidance, 14 June 04)



Horizontal Assessment
(JCS Tank Guidance, 14 June 04)

Joint Integrating Concepts

"how a joint force Commander integrates functional means to achieve operational ends"

"hot sweaty pile" approach

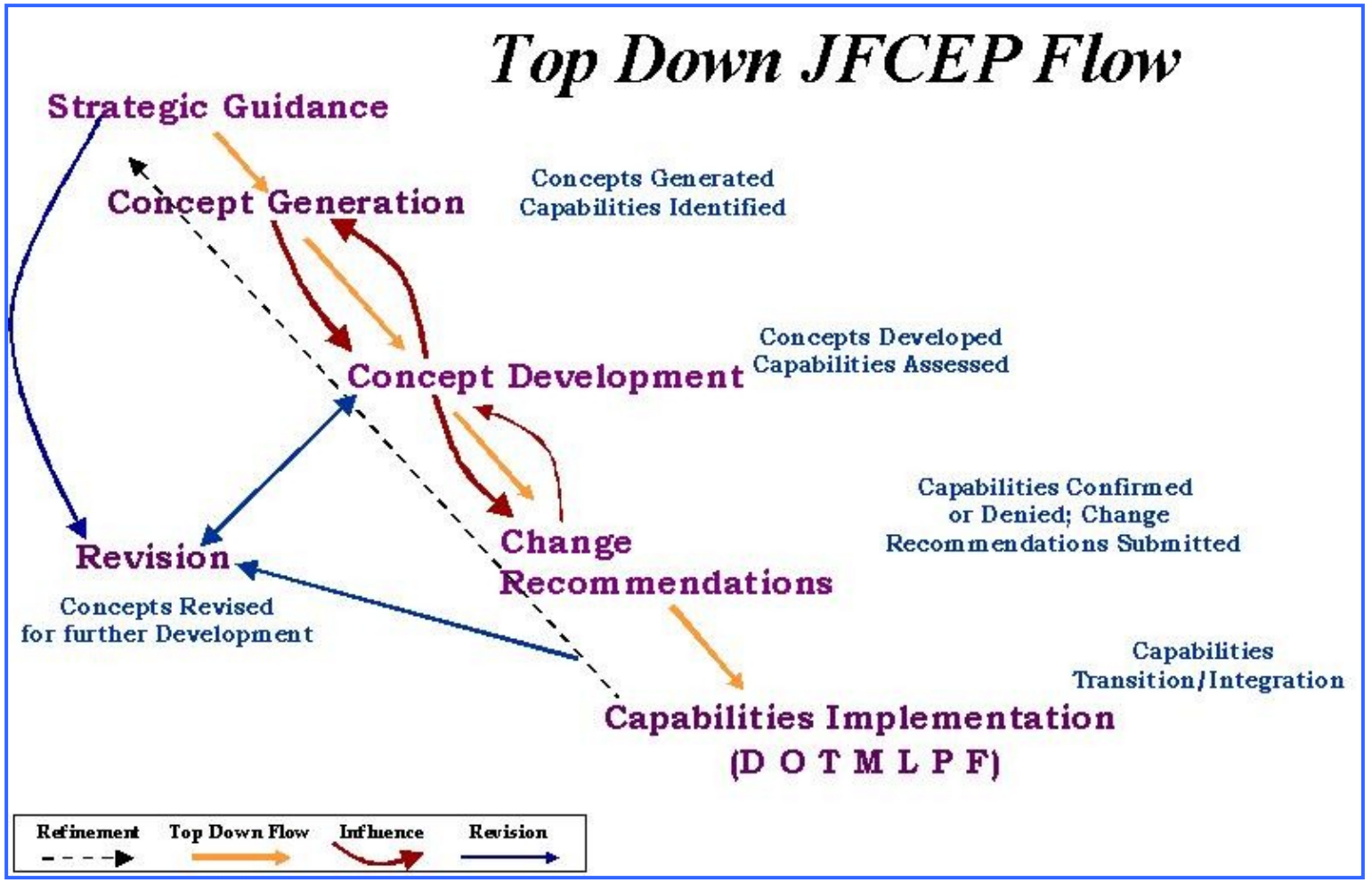
Operational Access

- Forcible Entry
- Undersea Superiority
- Sea Basing
- Global Strike
- IAMD

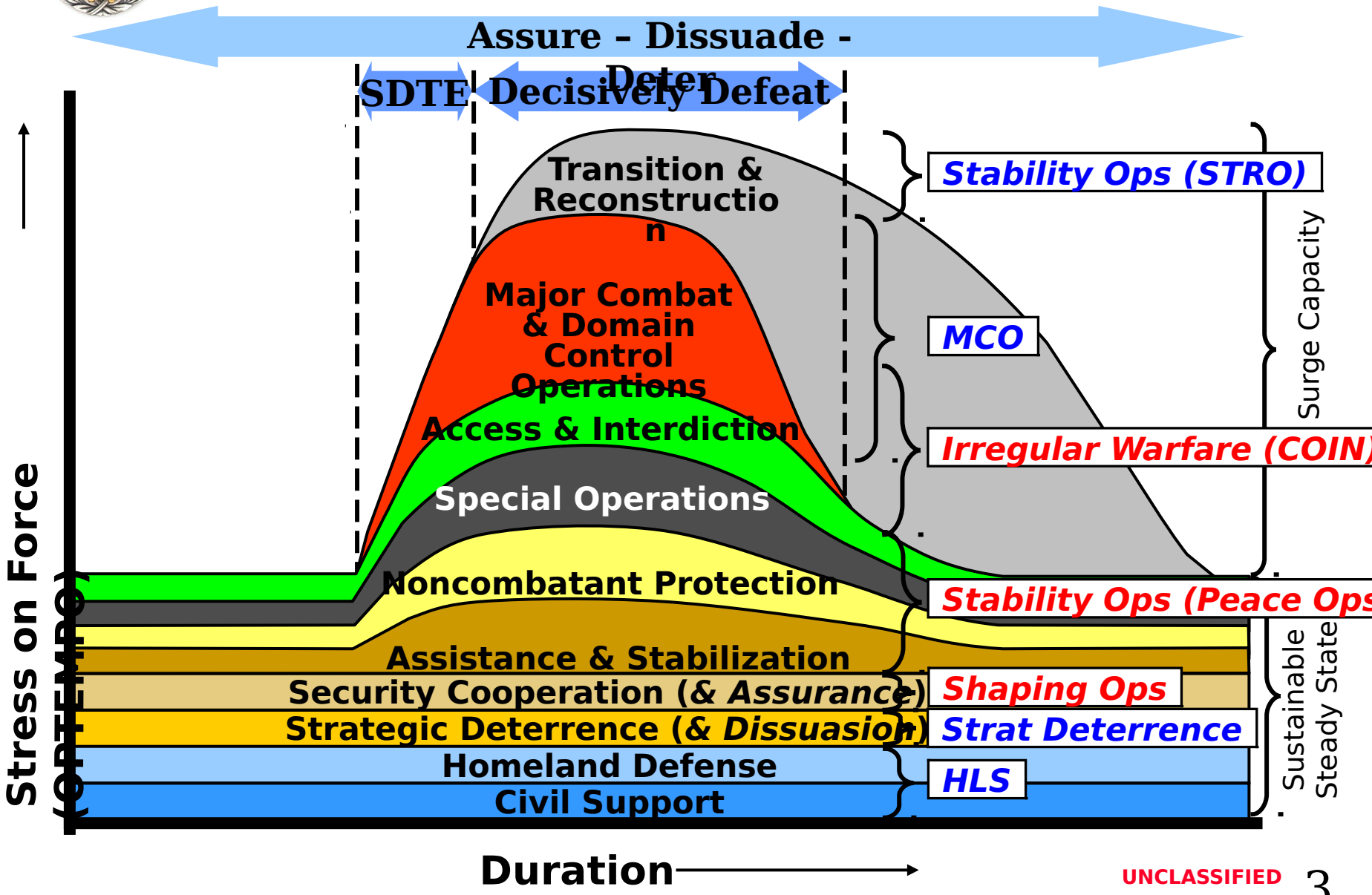
JCDRP Assigned Responsibilities

- **SecDef**
  - Assign and approve revisions to the JOpsC
  - Approve all JOCs
- **Chairman**
  - Ensure all concepts reflect applicable guidance and each accomplishes its tasked purpose
- **JCS and JROC**
  - JCS endorse the JOpsC and JOCs for SecDef approval
  - JCS assign JOCs
  - JCS assign and approve JICs
  - JROC assigns and approve JFCs
- **JFCOM**
  - Leads joint experimentation →Recommendations to improve the joint force

Concept Development Flow



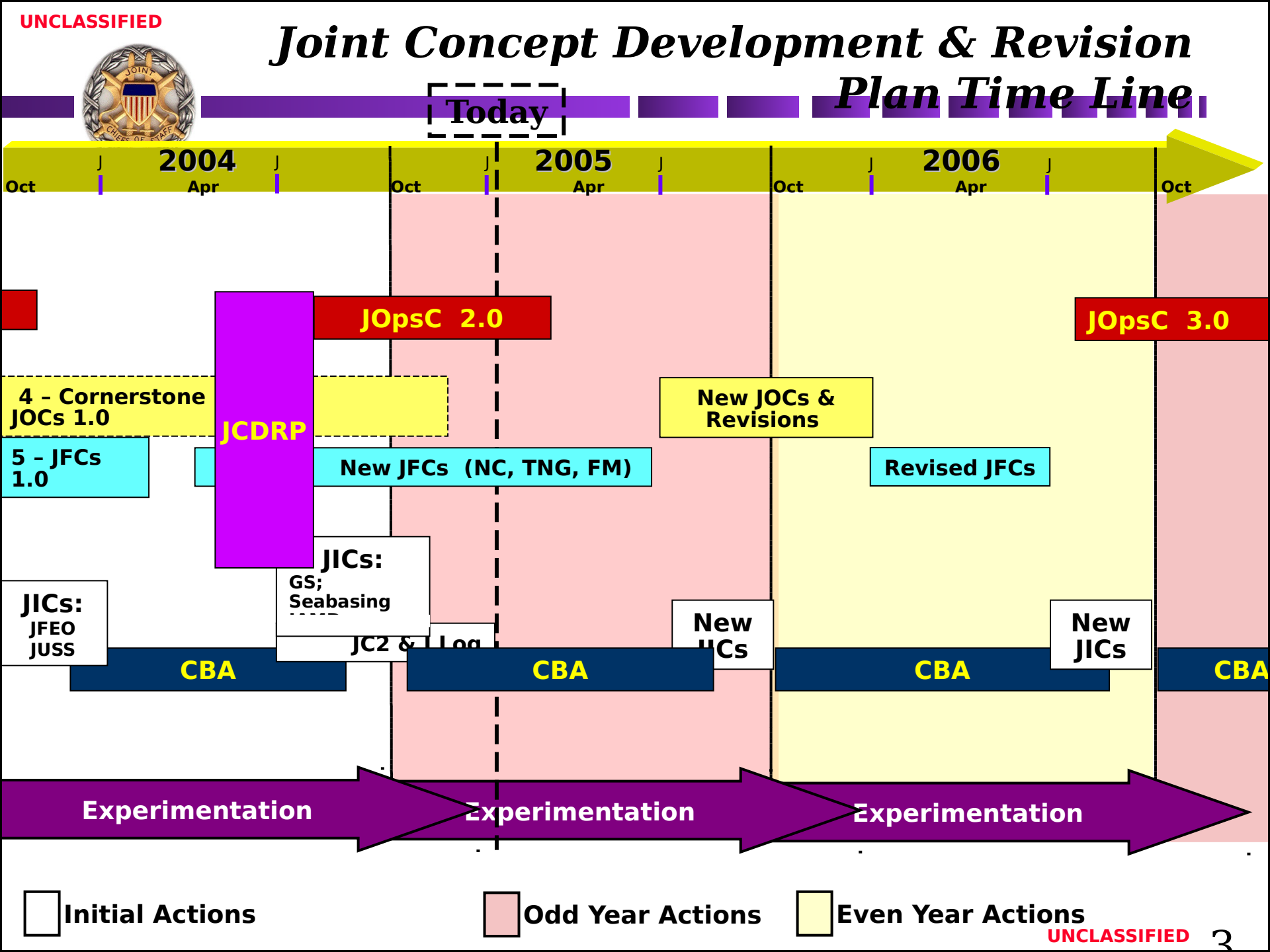
Spectrum of Military Engagement



Attributes of a Transformed Joint Force

- **Fully Integrated**
  - All DoD component capabilities are born joint and are able to integrate into a focused effort with a unified purpose
- **Networked**
  - Linked and synchronized in time and purpose—allowing dispersed forces to communicate, maneuver, and share a common operating picture
- **Adaptable**
  - Forces that are tailorable and scalable, prepared to quickly respond to any contingency
- **Expeditionary**
  - Rapidly deployable, employable, and sustainable—regardless of anti-access, or area denial environments
- **Decision Superior**
  - Gain and maintain information superiority to shape the situation or react to changes
- **Decentralized**
  - Uses collaborative planning and shared knowledge to empower subordinate commanders to compress decision cycles
- **Lethal**
  - Capability to destroy an adversary and/or his systems in all conditions and environments

Joint Concept Development & Revision Plan Time Line



Joint Experimentation Strategy

- Leverage Combatant Commander Exercises and Operations
- Leverage Service Sponsored Wargames and Seminars

FY 03 FY 04 FY 05

Joint Prototype Path

- Field the Standing Joint Force Headquarters (SJFHQ) – including the enabling concepts for developing transformational joint command and control
- Pursue rapid, prototyping of capabilities to improve joint warfighting now

FY 01

Unified Vision

FY 02 Major Experiment

Millennium Challenge

- Distributive Continuous Experimentation Environment supports both pathways
- Promising capabilities moved from Joint Concept Development to the Joint Prototype Pathway

Joint Concept Development Path

FY 03 FY 04 FY 05

- Provide actionable recommendations from experimentation results to senior leaders to inform options for future force investments

- Leverage Combatant Commander Exercises and Operations
- Leverage Service Sponsored Wargames and Seminars